

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S13	74	("caco.sub.3" or (calcium adj carbonate)) same display same device	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/06/25 09:23
S14	85	("caco.sub.3" or (calcium adj carbonate)) same display same device	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/25 09:38
S15	8	((("4425648") or ("5144630") or ("5249192") or ("5331649") or ("5345457") or ("5528612") or ("20020061037") or ("6636537"))). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/25 09:40
S16	402	S8 and (calcium with carbonate or "caco.sub.3")	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/06/25 09:40
S17	0	S15 and (calcium with carbonate or "caco.sub.3")	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/06/25 09:40
S18	13493	("caco.sub.3" or (calcium adj carbonate)) same emulsi\$5	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/06/25 10:47
S19	47	S18 and (display device particle)	US-PGPUB; USPAT; USOCR; DERWENT	SAME	ON	2007/06/25 10:48
S20	13	S19 not S3	US-PGPUB; USPAT; USOCR; DERWENT	SAME	ON	2007/06/25 10:48
S21	31	("4022706"   "4709990"   "4783150"   "4884873"   "4925708"   "5018840"   "5085973"   "5087387"   "5095379"   "5143783"   "5185074"   "5198148"   "5202063"   "5270843"   "5274481"   "5328580"   "5427713"   "5462822"   "5479278"   "5484552"   "5496497"   "5498450"   "5516455"   "5891152"   "5916735"   "5932137").PN. OR ("6108062"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:42
S22	12	emulsif\$4 and S21	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:42

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S23	12	emulsif\$6 and S21	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:43
S24	12	emulsif\$8 and S21	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:43
S25	8	S24 and rate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:43
S26	0	rate same emulsif\$8 and S21	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:43
S27	6	"emulsifying rate"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:45
S28	4036	rate with emulsif\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 10:45
S29	485	rate adj3 emulsif\$8	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 11:02
S30	6	S29 and display with device	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 11:01
S31	1	("6067135").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 11:01
S32	7564	particle size emulsif\$8	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:02
S33	73	S32 and display with device	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:12
S35	40	(yamamoto yasuo).in. and calcium with carbonate	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:20
S36	18	S35 and remove	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 14:28

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S37	0	(yamamoto yasuo).in. and "calcium.clm"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:21
S38	0	(yamamoto yasuo).in. and (calcium)".clm"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:21
S39	7	(yamamoto yasuo).in. and (calcium).clm.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:24
S40	24	emulsif\$8 stir\$4 speeds and particle size and display device	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:36
S41	58	emulsif\$8 stir\$4 speed "m/s"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:27
S42	4	S41 and display device	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:26
S43	24	emulsif\$8 stir\$4 speed and particle size and display device	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:40
S44	16	S43 and calcium	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 11:40
S45	8	"6108062"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/15 12:57
S46	1322	membrane with emulsif\$8	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/15 12:57

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S47	1836	membrane with emulsif\$8	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 12:58
S48	243	S47 and ((calcium with carbonate or ("caco.sub.3")))	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 13:04
S49	18	S48 and display with device	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 13:03
S50	372	electric\$2 charge\$7 remov\$3 emulsif\$8	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/15 13:53
S51	210881	((calcium with carbonate or ("caco.sub.3")))	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:04
S52	20	S50 and S51	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 13:05
S53	372	S50 and @pd>"1991"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:08
S54	58	S50 and @pd>"19910101"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 13:06
S55	146	auxiliary remov\$3 emulsif\$8	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 13:53
S56	40	(yamamoto yasuo).in. and calcium with carbonate	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 15:29

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S57	29	S56 and remov\$2	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 15:27
S58	46	emulsif\$8 auxiliary particle size	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 15:59
S59	18	S56 and remove	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 15:27
S60	11	S57 not S59	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 15:27
S61	25	(yamamoto yasuo).in. and calcium with carbonate and dissolved	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 15:30
S62	4	(yamamoto yasuo).in. and calcium with carbonate with (dissolved or removed)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 15:30
S63	13	emulsifier (calcium carbonate calcite or "caco.sub.3")	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 16:01
S64	1	("20060051532").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/15 16:03
S65	28837	"emulsifying agent"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/15 16:04
S66	3751255	S65 same particle size	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/15 16:04

## EAST Search History

S67	2182	S65 same particle size	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 16:04
S68	218877	((calcium with carbonate or ("caco. sub.3")) or calcite)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:08
S69	370	S68 and S67	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:05
S70	111	S68 same S67	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:05
S71	0	S70 and display device	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 16:05
S72	0	S70 and toner	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/15 16:05
S73	6	("3155616").URPN.	USPAT	OR	OFF	2007/11/15 16:07
S74	0	("3258426").URPN.	USPAT	OR	OFF	2007/11/15 16:07
S75	5631	S65 and S68	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:09
S76	5631	S75 and @pd>"1991"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:09
S77	743	S65 same S68	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:09

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S78	2665	S75 and @pd>"19910101"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:09
S79	94	S77 and @pd>"19910101"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/15 16:09

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3579	emulsif\$8 same particle same size and calcium with carbonate	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/16 10:24
L2	1221	1 and size distribution	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/16 10:24
L3	32	2 and display particle	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/16 10:28
L4	285	ion exchange\$2 water calcium carbonate	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/16 10:28
L5	62	4 and emulsif\$8	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/16 10:28